


# First Assignment

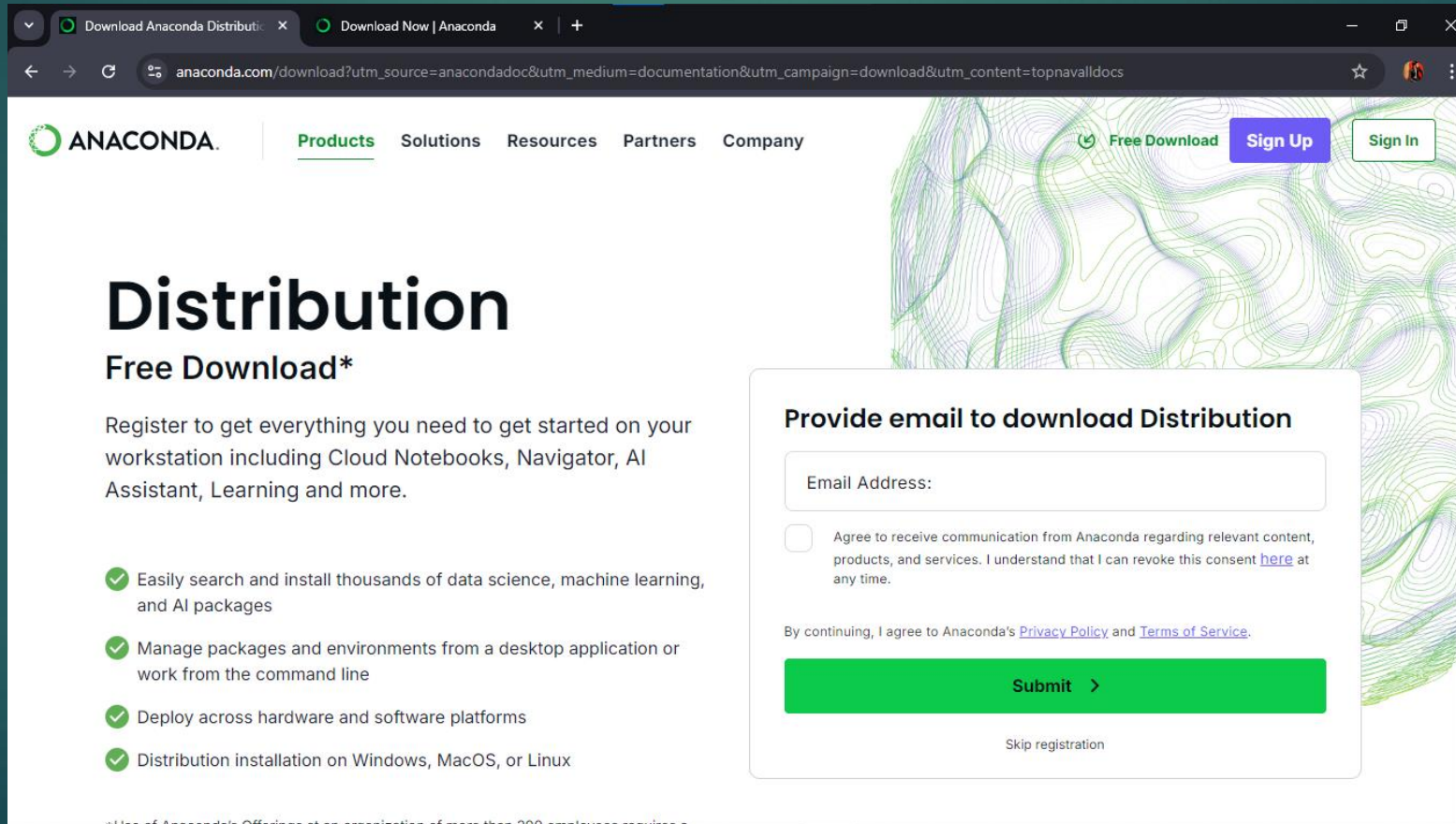


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**Department :** Aerospace  
**Batch :** 23  
**Section :** B

# Installation of Anaconda

## Step 1

## Website



The screenshot shows the Anaconda website's 'Distribution' download page. The page features a navigation bar with links to Products, Solutions, Resources, Partners, and Company. A 'Free Download' button and a 'Sign Up' button are visible. The main heading is 'Distribution' with a subheading 'Free Download\*'. Below this, a paragraph explains that users can register to get everything needed to get started on their workstation, including Cloud Notebooks, Navigator, AI Assistant, Learning, and more. A list of four benefits is provided, each preceded by a green checkmark. A registration form is overlaid on the right side, titled 'Provide email to download Distribution'. It includes an 'Email Address:' input field, a checkbox for agreeing to receive communication, and a 'Submit >' button. A link to 'Skip registration' is also present.

ANACONDA. Products Solutions Resources Partners Company

Free Download Sign Up Sign In

## Distribution

### Free Download\*

Register to get everything you need to get started on your workstation including Cloud Notebooks, Navigator, AI Assistant, Learning and more.

- ✓ Easily search and install thousands of data science, machine learning, and AI packages
- ✓ Manage packages and environments from a desktop application or work from the command line
- ✓ Deploy across hardware and software platforms
- ✓ Distribution installation on Windows, MacOS, or Linux

\*Use of Anaconda's Offerings at an organization of more than 200 employees requires a

#### Provide email to download Distribution

Email Address:

☐ Agree to receive communication from Anaconda regarding relevant content, products, and services. I understand that I can revoke this consent [here](#) at any time.

By continuing, I agree to Anaconda's [Privacy Policy](#) and [Terms of Service](#).

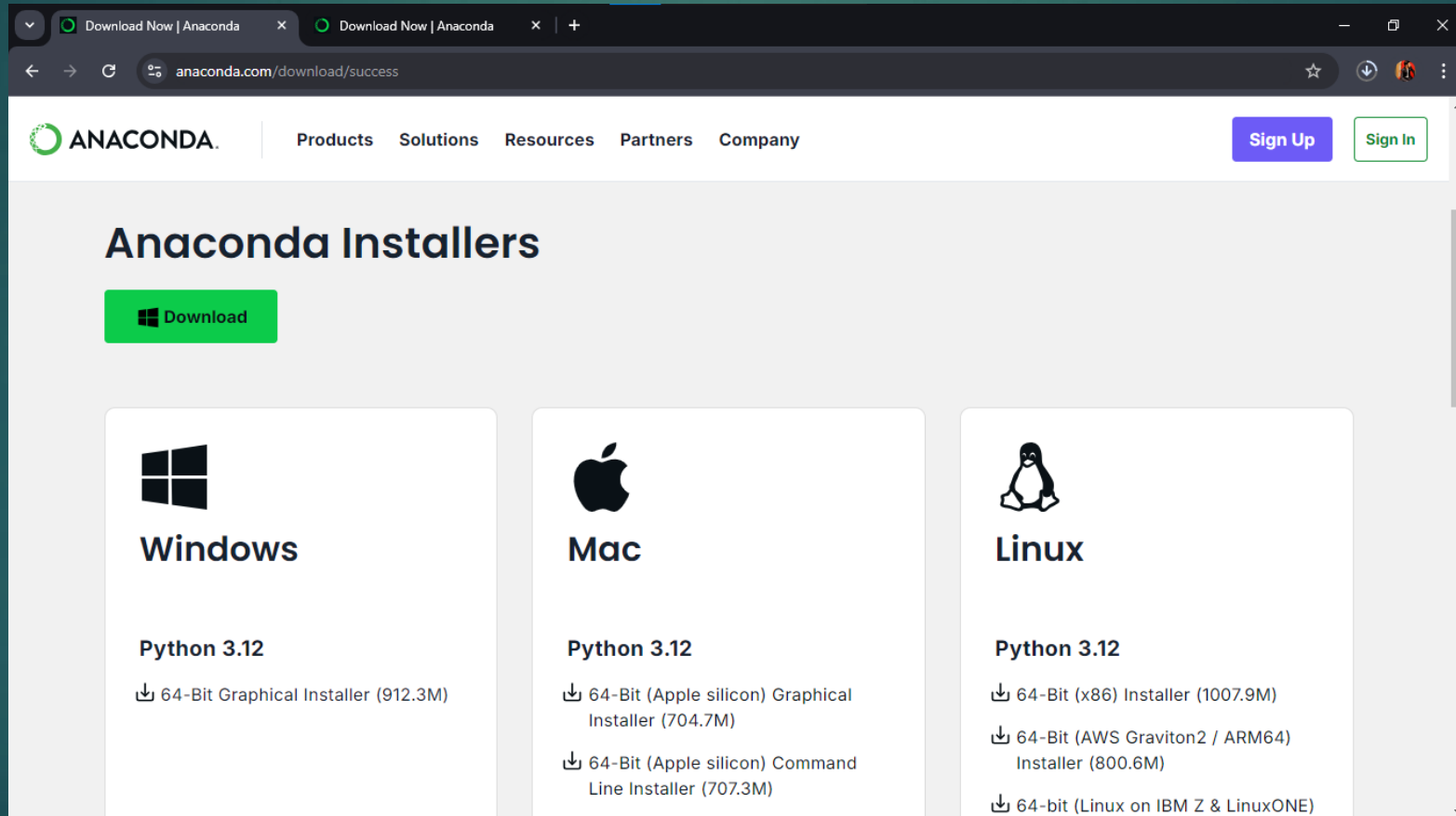
Submit >

[Skip registration](#)



# Step 2

## Installers



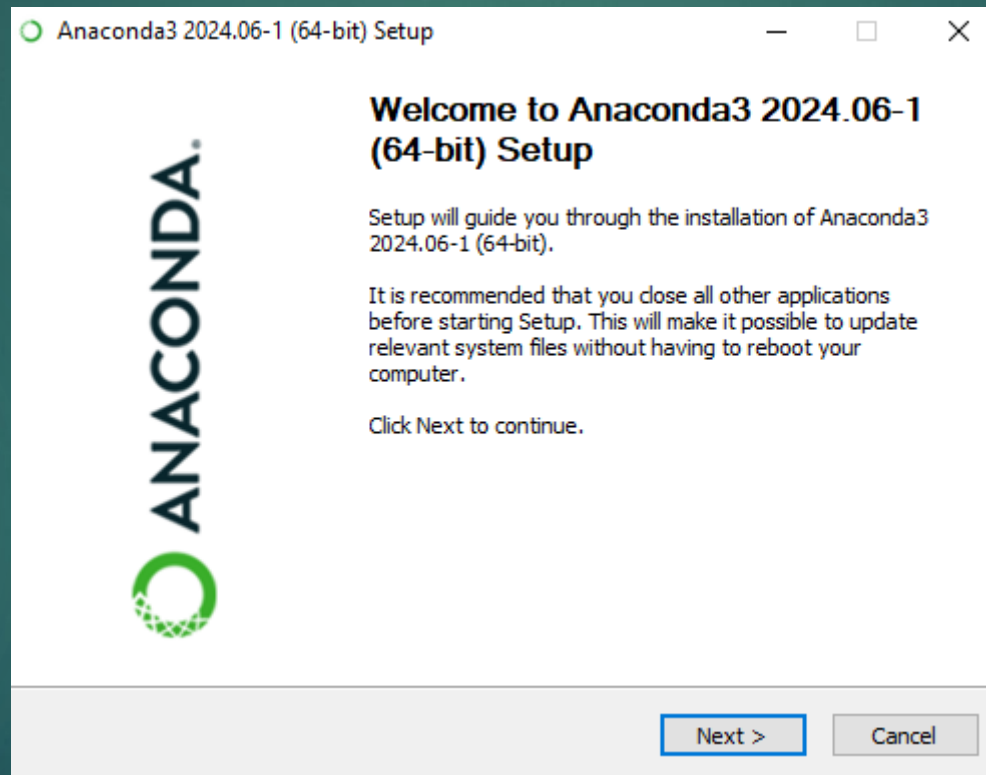
The screenshot shows a web browser window with two tabs, both titled "Download Now | Anaconda". The address bar displays "anaconda.com/download/success". The page header includes the Anaconda logo, navigation links for Products, Solutions, Resources, Partners, and Company, and buttons for Sign Up and Sign In. The main heading is "Anaconda Installers". Below this is a green "Download" button with a Windows icon. The page is divided into three columns for Windows, Mac, and Linux. Each column lists Python 3.12 installers with download icons and file sizes.

| Operating System | Python Version | Installer Type                                | File Size |
|------------------|----------------|---|-----------|
| Windows          | Python 3.12    | 64-Bit Graphical Installer                    | 912.3M    |
|                  |                | 64-Bit Graphical Installer                    | 912.3M    |
| Mac              | Python 3.12    | 64-Bit (Apple silicon) Graphical Installer    | 704.7M    |
|                  |                | 64-Bit (Apple silicon) Command Line Installer | 707.3M    |
| Linux            | Python 3.12    | 64-Bit (x86) Installer                        | 1007.9M   |
|                  |                | 64-Bit (AWS Graviton2 / ARM64) Installer      | 800.6M    |
|                  |                | 64-bit (Linux on IBM Z & LinuxONE)            |           |



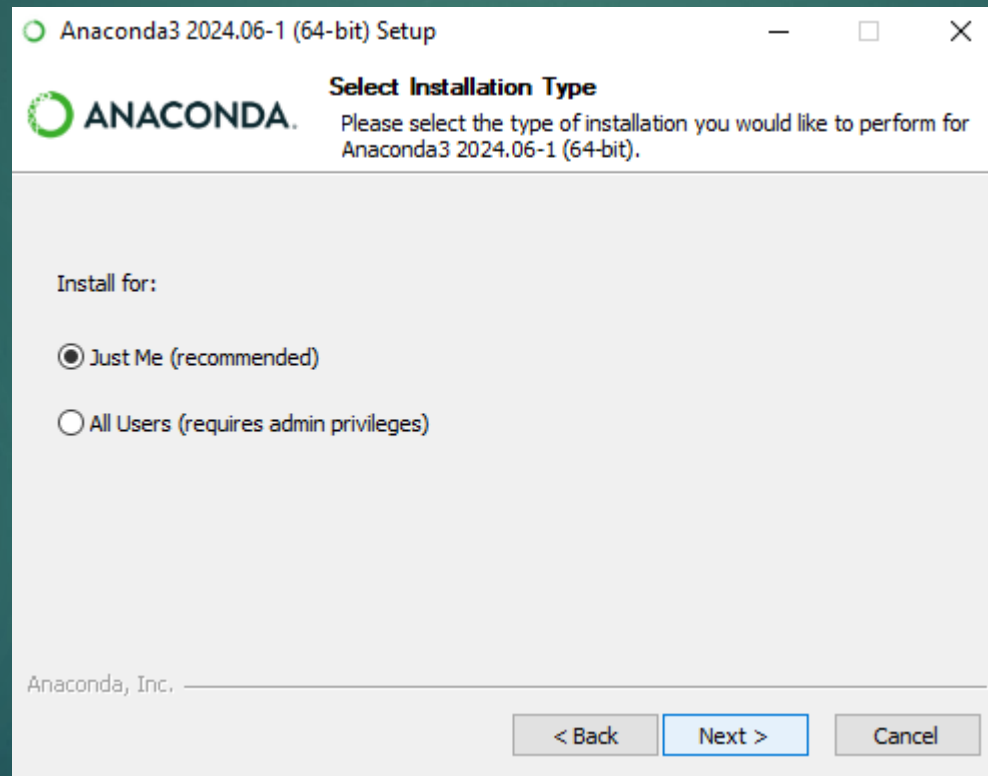
# Step 2

## Set up pf Anaconda



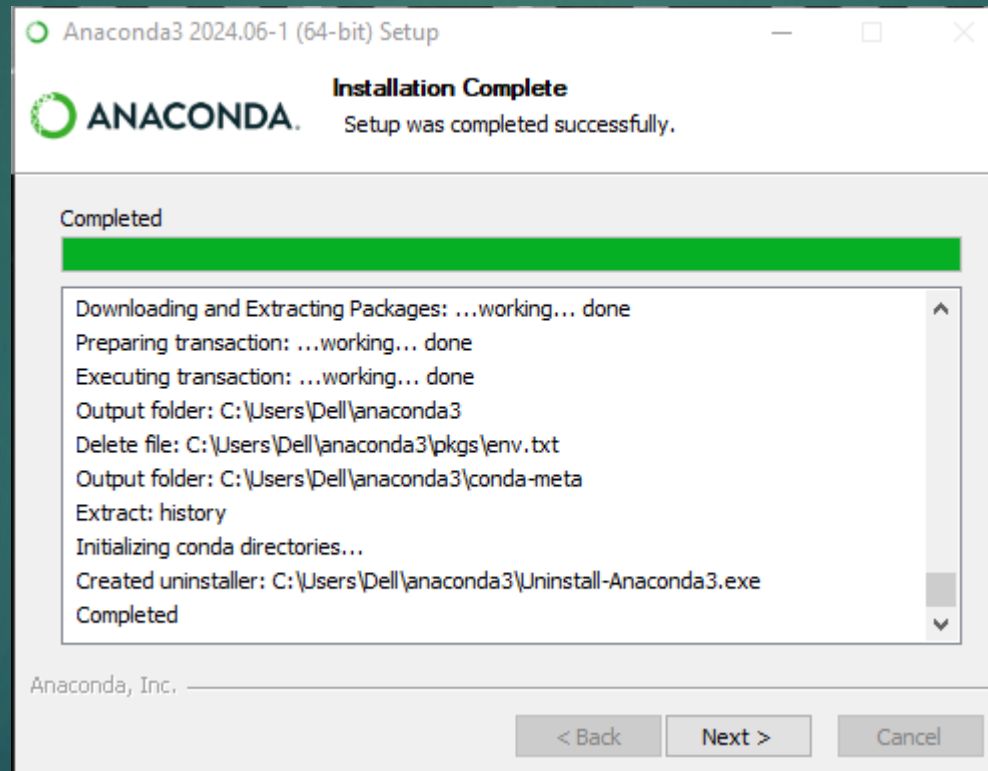
# Step 3

## Installation Type



# Step 4

## Setup downloaded



# Anaconda downloaded





# Step 5

## Running of jupyter notebook

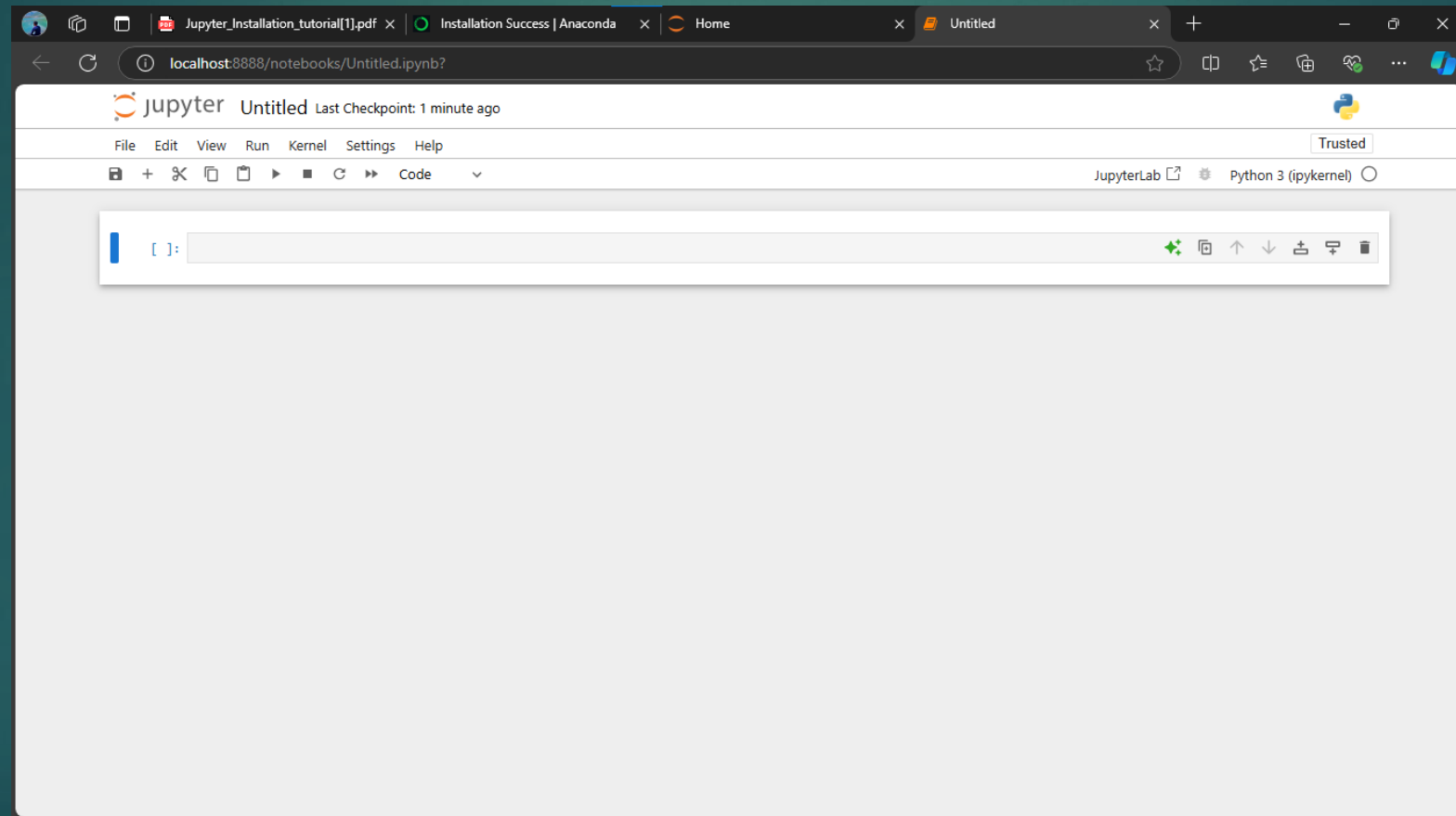
```
Anaconda Prompt - jupyter notebook

result = await result
^^^^^^^^^^^^
File "C:\Users\Dell\anaconda3\Lib\site-packages\aeht_assistant_server\handlers.py", line 117, in get
    raise HTTPError(403, reason="missing nucleus_token")
tornado.web.HTTPError: HTTP 403: missing nucleus_token
[W 2024-10-01 20:30:38.778 ServerApp] 403 GET /aeht_assistant_server/nucleus_token?1727796637980 (f35eb68f41a440958c3012f88bbd140c@::1) 434.19ms referer=http://localhost:8888/tree
[I 2024-10-01 20:31:19.135 ServerApp] Creating new notebook in
[I 2024-10-01 20:31:19.268 ServerApp] Writing notebook-signing key to C:\Users\Dell\AppData\Roaming\jupyter\notebook_secret
[W 2024-10-01 20:31:23.206 ServerApp] wrote error: 'Forbidden'
Traceback (most recent call last):
  File "C:\Users\Dell\anaconda3\Lib\site-packages\tornado\web.py", line 1790, in _execute
    result = await result
    ^^^^^^^^^^^^^
  File "C:\Users\Dell\anaconda3\Lib\site-packages\aeht_assistant_server\handlers.py", line 117, in get
    raise HTTPError(403, reason="missing nucleus_token")
tornado.web.HTTPError: HTTP 403: missing nucleus_token
[W 2024-10-01 20:31:23.210 ServerApp] 403 GET /aeht_assistant_server/nucleus_token?1727796683200 (f35eb68f41a440958c3012f88bbd140c@::1) 8.66ms referer=http://localhost:8888/notebooks/Untitled.ipynb
[I 2024-10-01 20:32:12.775 ServerApp] Kernel started: 7d5c9315-55de-4c19-84a6-fd38208475a7
0.00s - Debugger warning: It seems that frozen modules are being used, which may
0.00s - make the debugger miss breakpoints. Please pass -Xfrozen_modules=off
0.00s - to python to disable frozen modules.
0.00s - Note: Debugging will proceed. Set PYDEVD_DISABLE_FILE_VALIDATION=1 to disable this validation.
[I 2024-10-01 20:32:14.971 ServerApp] Connecting to kernel 7d5c9315-55de-4c19-84a6-fd38208475a7.
[I 2024-10-01 20:33:24.270 ServerApp] Saving file at /Untitled.ipynb
[I 2024-10-01 20:37:13.404 ServerApp] Starting buffering for 7d5c9315-55de-4c19-84a6-fd38208475a7:5b6288b6-1fe7-430e-9da4-c3d78b6dbebc
```

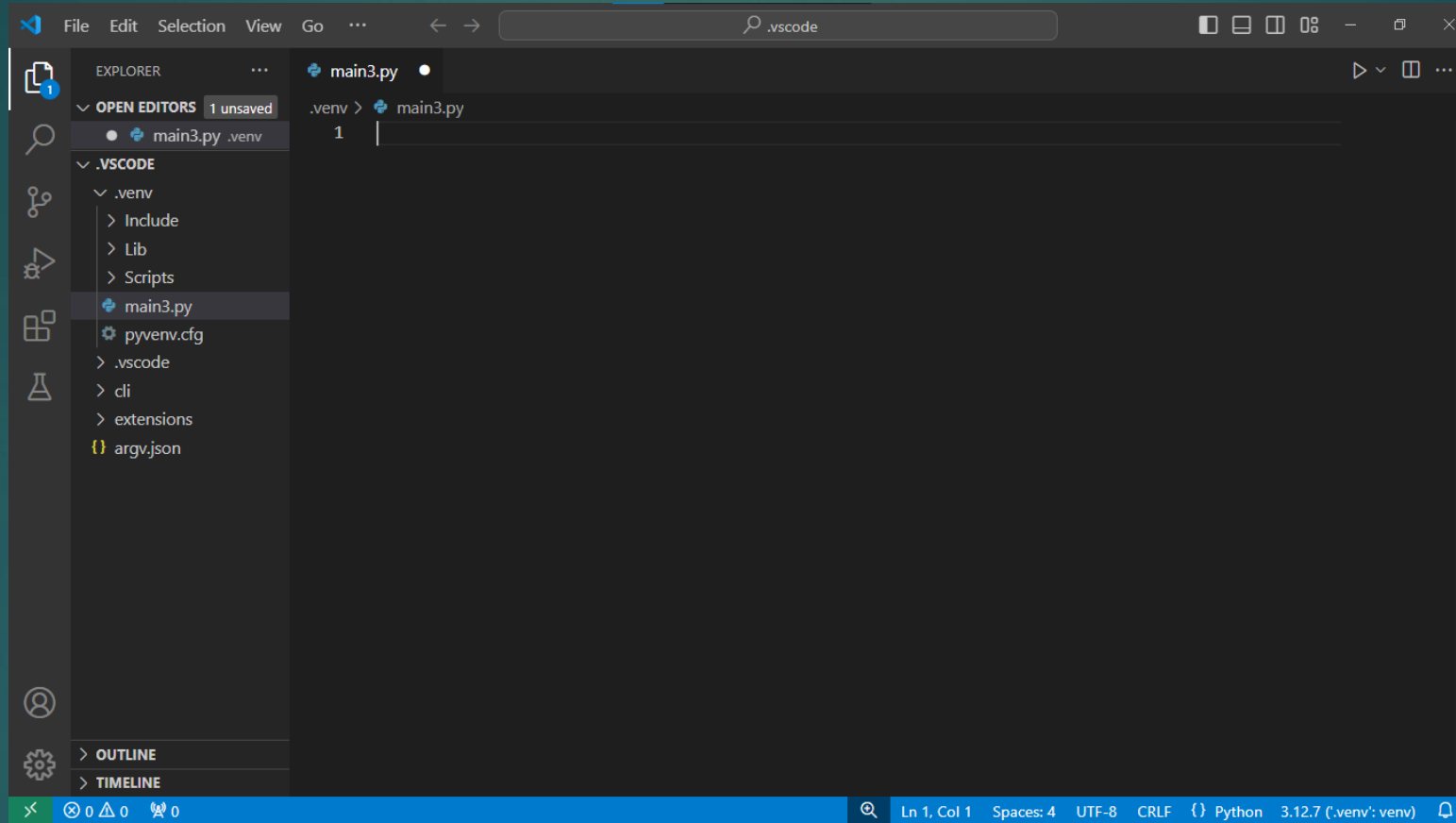




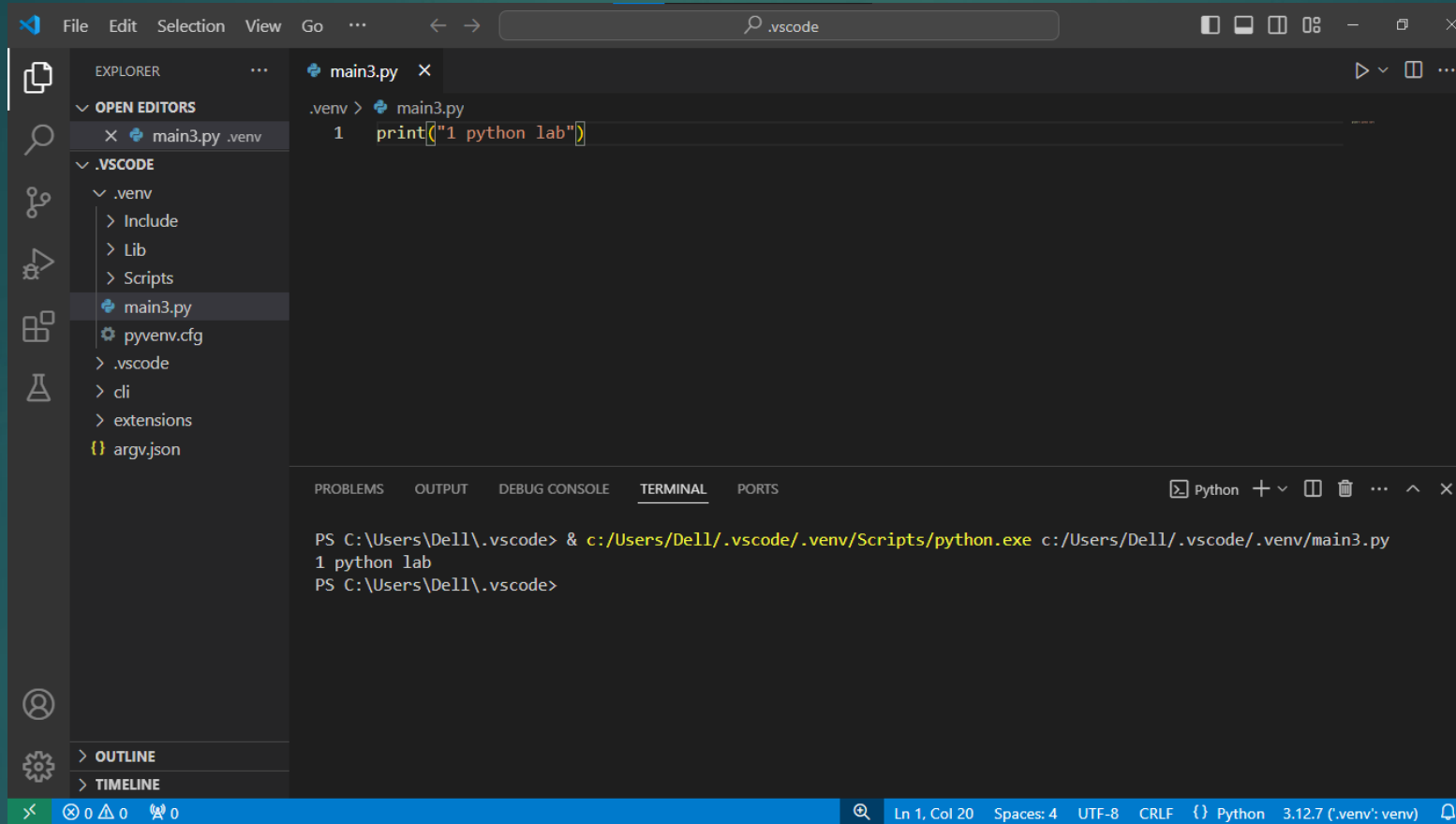
# Jupyter notebook installed



# Running of PYTHON in Vs code



# Final Code



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the file structure of a project named '.venv', including folders like 'Include', 'Lib', and 'Scripts', and files like 'main3.py', 'pyvenv.cfg', '.vscode', 'cli', 'extensions', and 'argv.json'. The main editor window shows the 'main3.py' file with a single line of code: `1 print("1 python lab")`. The bottom panel contains the 'TERMINAL' tab, which shows the command prompt output: `PS C:\Users\Dell\.vscode> & c:/Users/Dell/.vscode/.venv/Scripts/python.exe c:/Users/Dell/.vscode/.venv/main3.py` followed by the output `1 python lab`. The status bar at the bottom indicates the current line and column (Ln 1, Col 20), the number of spaces (4), the encoding (UTF-8), the line ending (CRLF), the language (Python), and the version (3.12.7 (.venv: venv)).

```
File Edit Selection View Go ... .vscode
```

EXPLORER

OPEN EDITORS

main3.py .venv

.VSCODE

.venv

- > Include
- > Lib
- > Scripts
- main3.py
- pyvenv.cfg
- > .vscode
- > cli
- > extensions
- argv.json

main3.py

```
.venv > main3.py
1 print("1 python lab")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Python + -

```
PS C:\Users\Dell\.vscode> & c:/Users/Dell/.vscode/.venv/Scripts/python.exe c:/Users/Dell/.vscode/.venv/main3.py
1 python lab
PS C:\Users\Dell\.vscode>
```

Ln 1, Col 20 Spaces: 4 UTF-8 CRLF {} Python 3.12.7 (.venv: venv)